

- (WPAT)
- 95-167156/22
- AM- C95-077376
- Dental adhesive surface-treating agent, improving adhesion strength - consists of primer comprising copper, water-miscible monomer and fluoride ion, applied to surface of dentin, and hardenable compsn. applied on primer
- A96 D21 E12
- (SANM-) SAN MEDICAL KK
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- JP07089821-A 95.04.04 (9522) 8p A61K-006/00
- 93.09.21 93JP-235089
- 93.09.21 93JP-235089
- A61K-006/00 C09D-004/02
- (JP07089821-A)

New dental adhesive surface-treating agent consists of a primer to be applied to the surface of the dentin and a hardenable compsn. to be applied onto the primer. The primer comprises at least one metal cpd. selected from copper, iron and cobalt cpds. and a soln. contg. a water-miscible monomer(s) and fluoride ion in a content of up to 0.04 wt.%. The compsn. contains one or a mixt. of trialkyl borons and their partially oxidised prods. and a (meth)acrylate type monomer(s).

Pref. the concn. of the metal cpds. in the primer is 5 multiplied by ten to the part of minus 2 to 5 multiplied by ten to the part of minus 4 mol/wt.%. Pref. the solvent of the primer is water or its mixt. with a water-miscible organic solvent(s).

Pref. the water-miscible monomer is 2-hydroxyethyl methacrylate; and its concn. in the primer is 1-50 wt.%. Pref. the primer contains one or a mixt. of copper salt cpds. of formulae (1) and (2). R1 and R2 = CH3 or H; R3 = -O-CO- or -CO-O-.

ADVANTAGE - The agent achieves high adhesion strength with high stability over a long period and is easy to operate. (Dwg.0/0)

- WPF3KZ81.GIF